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ABSTRACT OF THE DISCLOSURE

An opioid formulation for pulmonary administration in the treatment or management of pain, a pulmonary drug delivery device containing, method of administering, kit containing, and uses of same. The formulation contains at least one rapid-onset opioid and preferably also contains a sustained-effect opioid to reduce the frequency of administration. The invention employs the side effects of the opioid formulation to permit patients to self-limit drug intake, thereby avoiding toxicity while achieving analgesia. A pharmacokinetic and pharmacodynamic model is employed to determine optimum drug formulations and optimum parameters for administration.